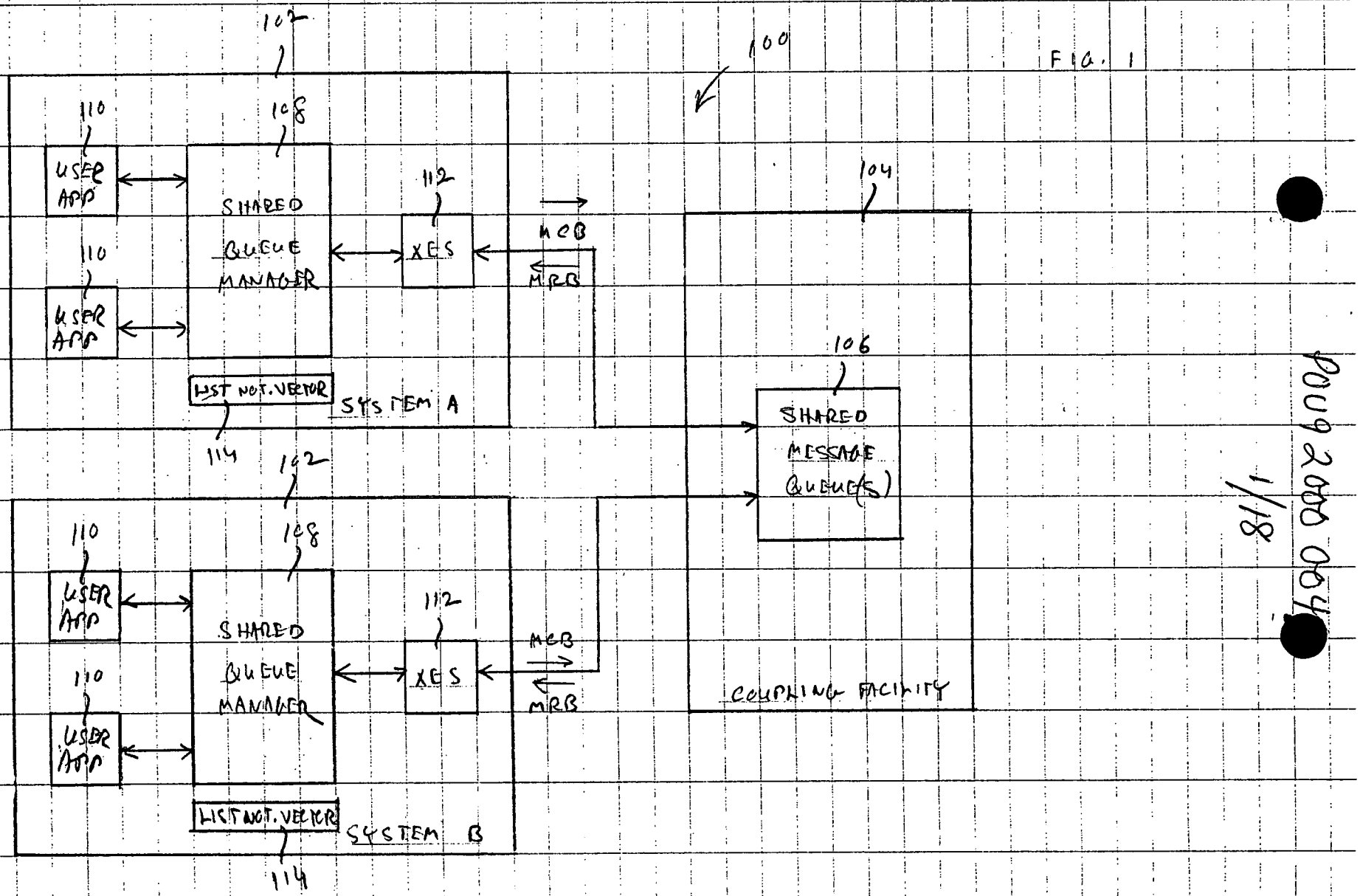


FIG. 1

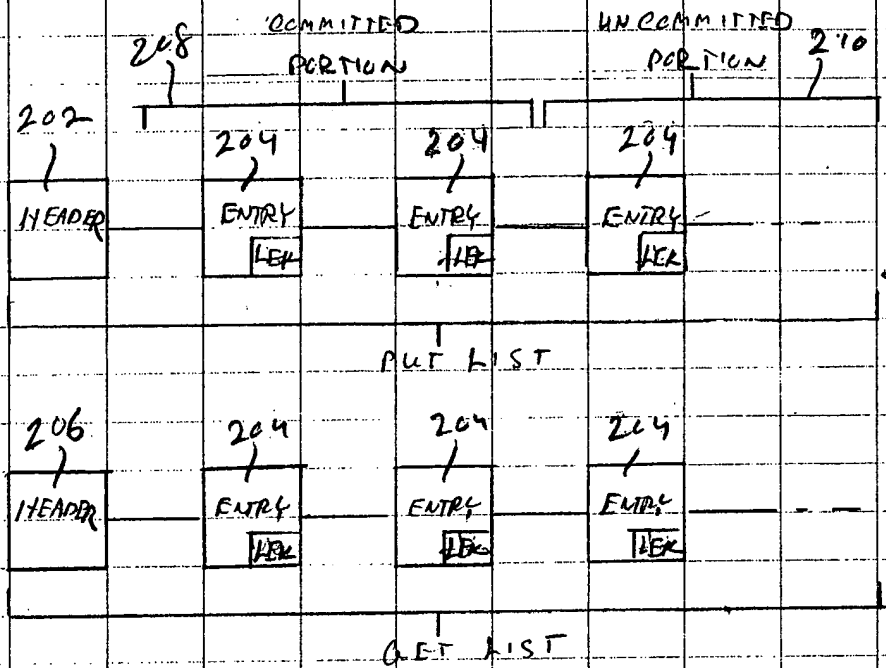

208
COMMITTED PORTION
UNCOMMITTED PORTION
210
202
204
204
204
HEADER
ENTRY
LEN
ENTRY
LEN
ENTRY
LEN
PUT LIST
206
204
204
204
HEADER
ENTRY
LEN
ENTRY
LEN
ENTRY
LEN
GET LIST

FIG. 2

FIG. 3

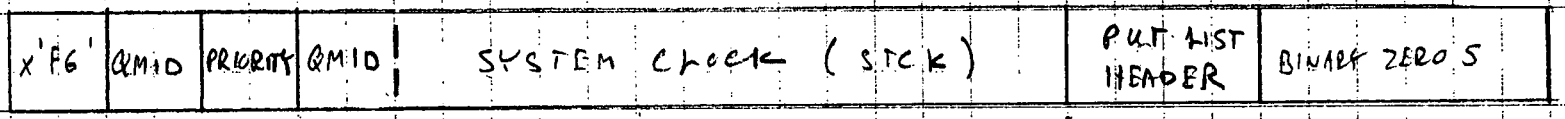


FIG. 4

FIG. 5

FIG-6

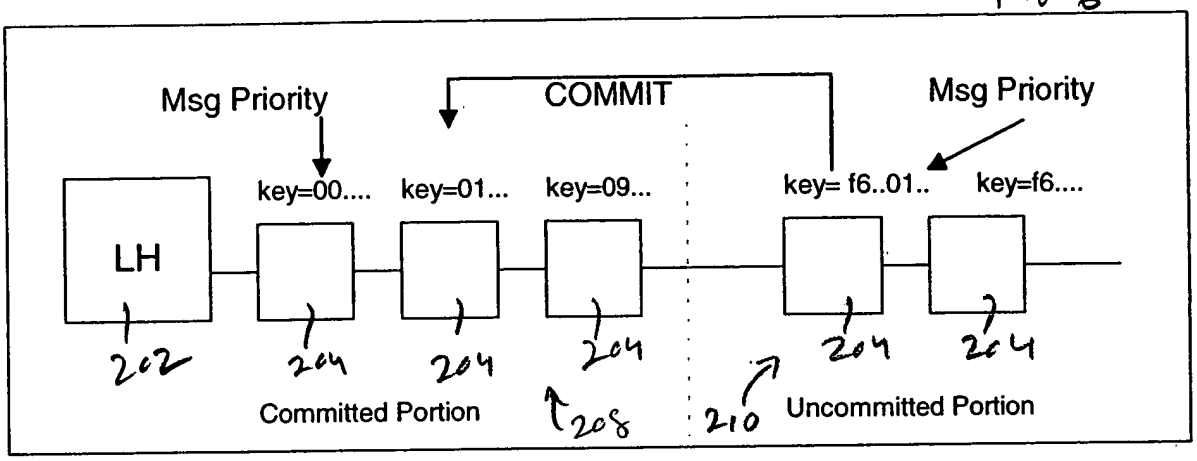
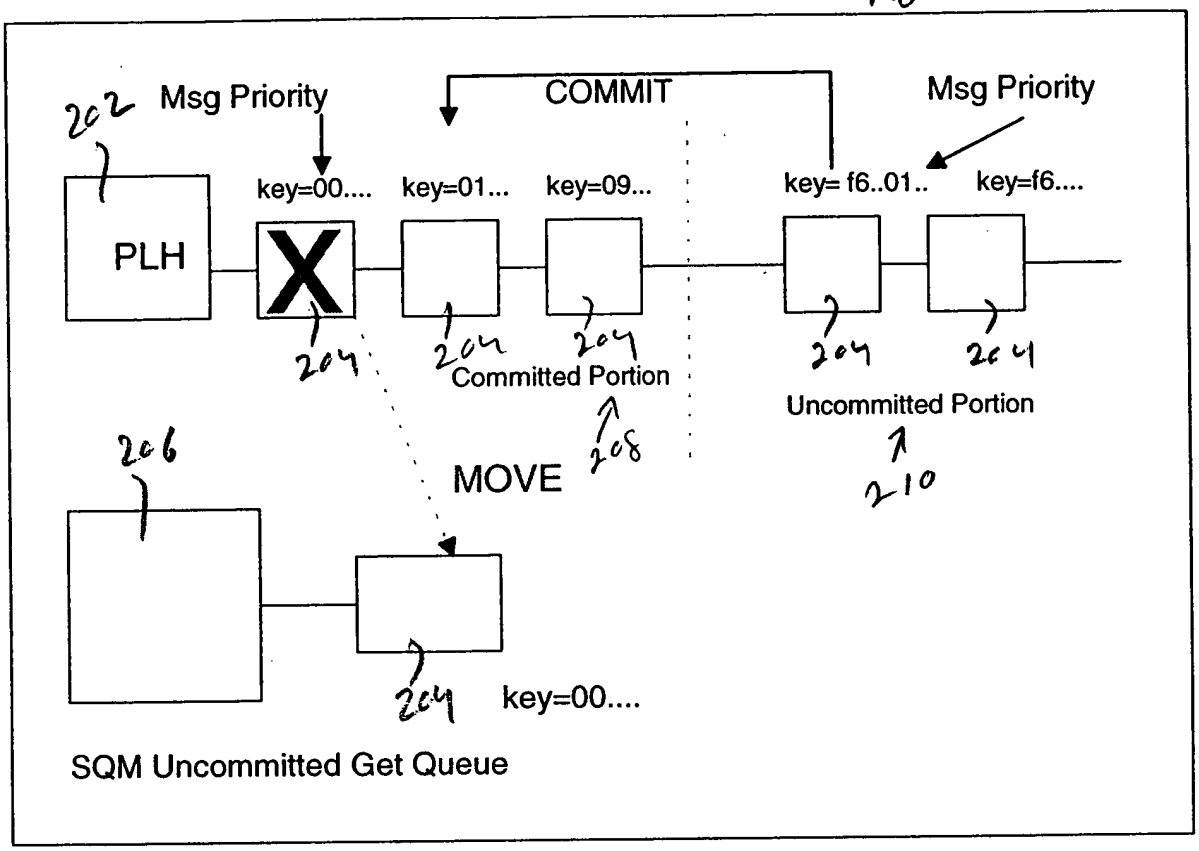
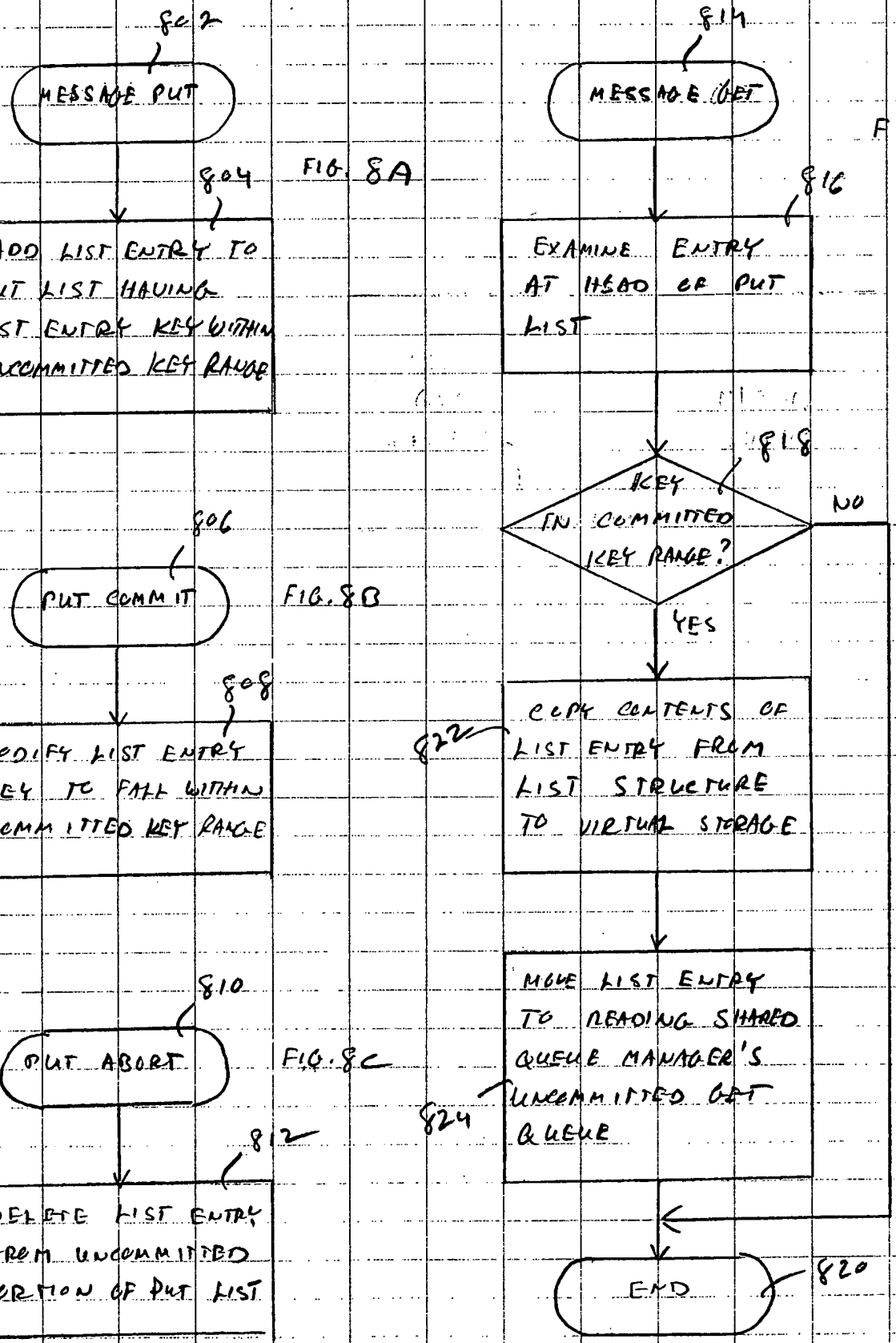

Msg Priority
COMMIT
Msg Priority
key=00....
key=01...
key=09...
key= f6..01..
key=f6....
LH
202
204
204
204
204
204
Committed Portion
208
210
Uncommitted Portion

FIG. 7


202
Msg Priority
COMMIT
Msg Priority
PLH
key=00....
key=01...
key=09...
key= f6..01..
key=f6....
204
204
204
204
204
Committed Portion
208
Uncommitted Portion
210
206
MOVE
204
key=00....
SQM Uncommitted Get Queue


802
MESSAGE PUT
804
ADD LIST ENTRY TO PUT LIST HAVING LIST ENTRY KEY WITHIN UNCOMMITTED KEY RANGE
FIG. 8A
806
PUT COMMIT
FIG. 8B
808
MODIFY LIST ENTRY KEY TO FALL WITHIN COMMITTED KEY RANGE
810
PUT ABORT
FIG. 8C
812
DELETE LIST ENTRY FROM UNCOMMITTED PORTION OF PUT LIST
814
MESSAGE GET
FIG. 8D
816
EXAMINE ENTRY AT HEAD OF PUT LIST
818
KEY IN COMMITTED KEY RANGE?
NO
YES
822
COPY CONTENTS OF LIST ENTRY FROM LIST STRUCTURE TO VIRTUAL STORAGE
824
MOVE LIST ENTRY TO READING SHARED QUEUE MANAGER'S UNCOMMITTED GET QUEUE
820
END

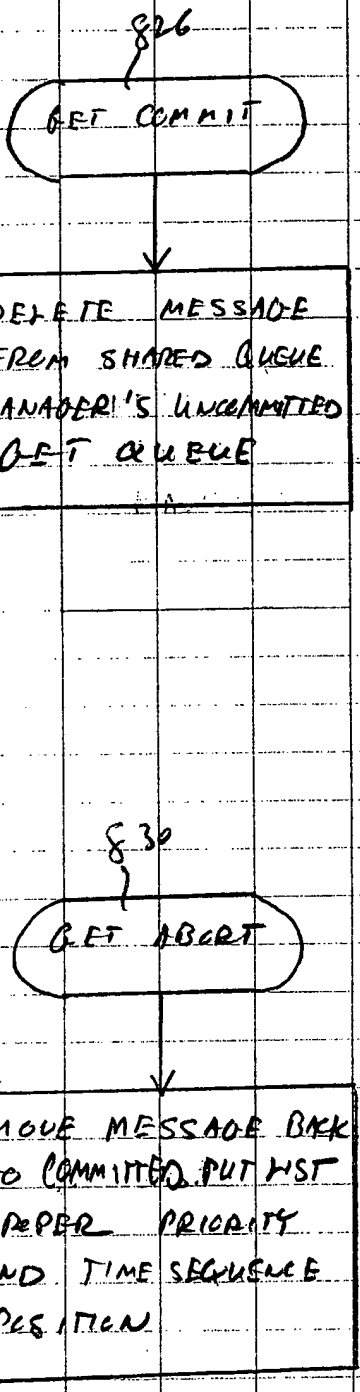

826
GET COMMIT
DELETE MESSAGE FROM SHARED QUEUE MANAGER'S UNCOMMITTED GET QUEUE
828
830
GET ABORT
MOVE MESSAGE BACK TO COMMITTED PUT LIST PROPER PRIORITY AND TIME SEQUENCE POSITION
832

FIG. 8E

FIG. 8F

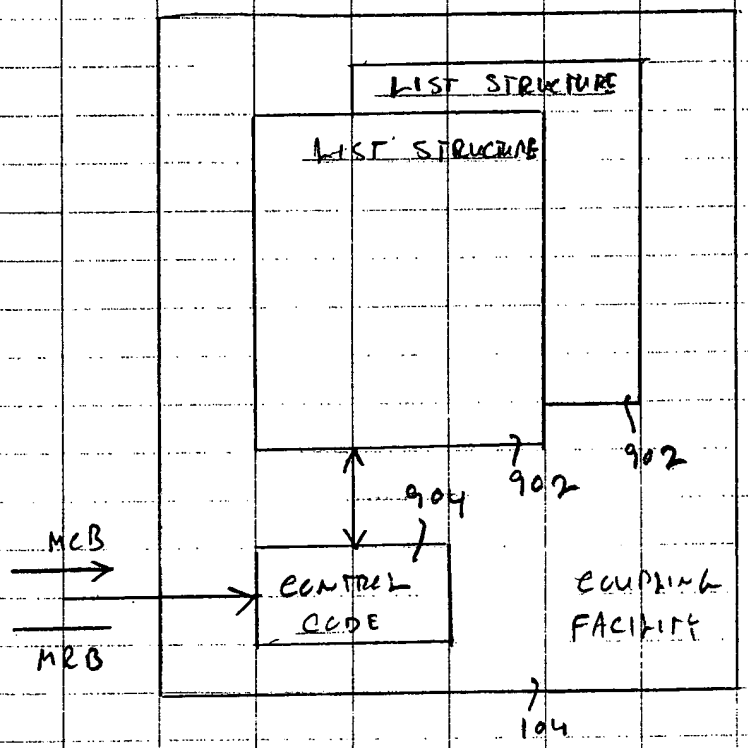

LIST STRUCTURE
LIST STRUCTURE
902
902
904
MCB
MRB
CONTROL CODE
COUPLING FACILITY
104

FIG. 9

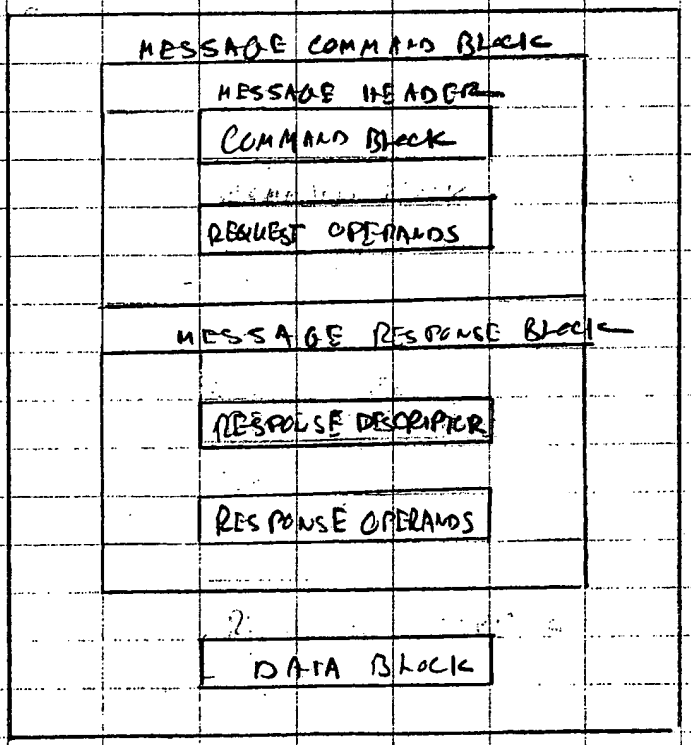

MESSAGE COMMAND BLOCK
MESSAGE HEADER
COMMAND BLOCK
REQUEST OPERANDS
MESSAGE RESPONSE BLOCK
RESPONSE DESCRIPTOR
RESPONSE OPERANDS
DATA BLOCK

FIG. 10

P0992000004
9/18

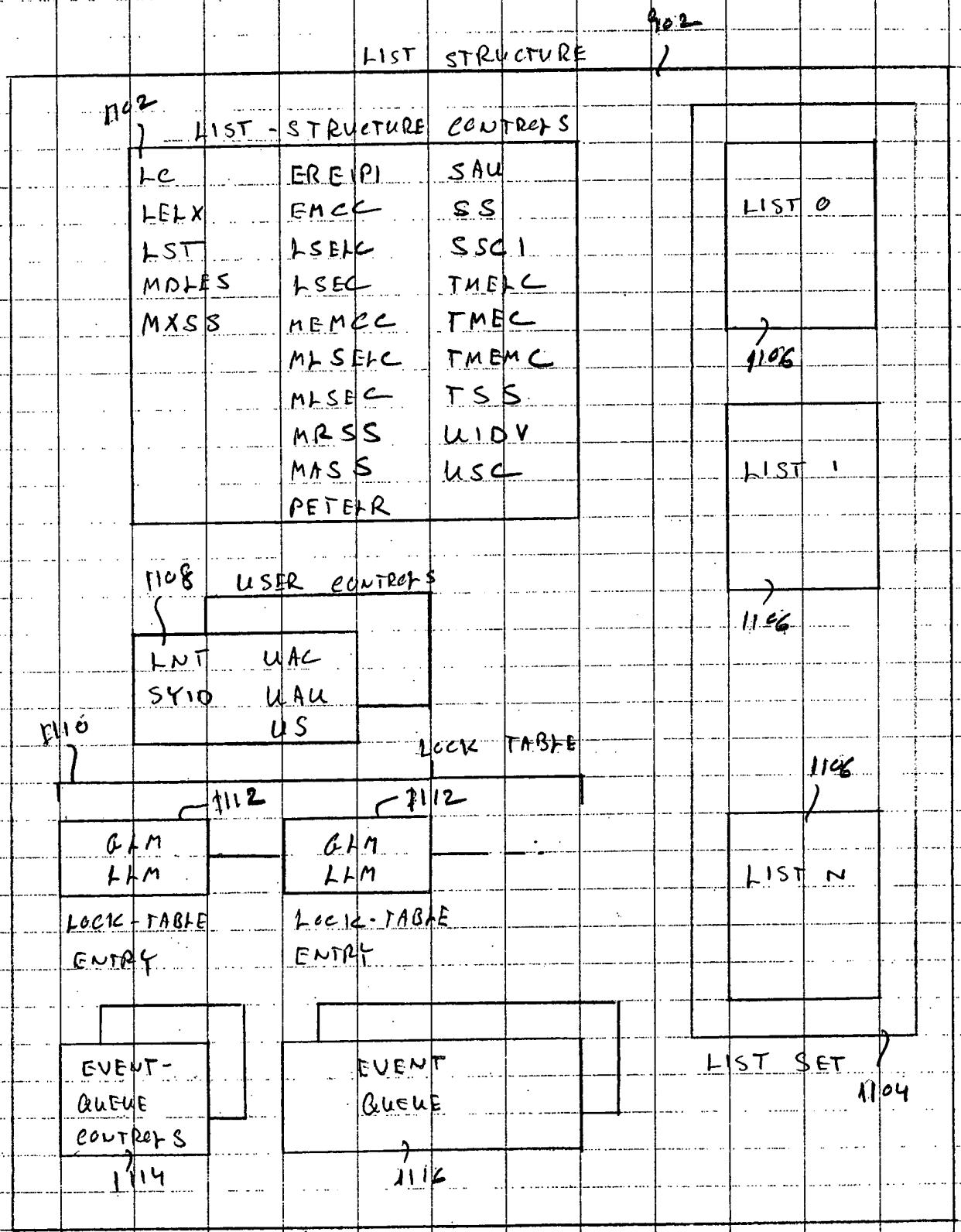


FIG. 11

POU92000 0042
10/18

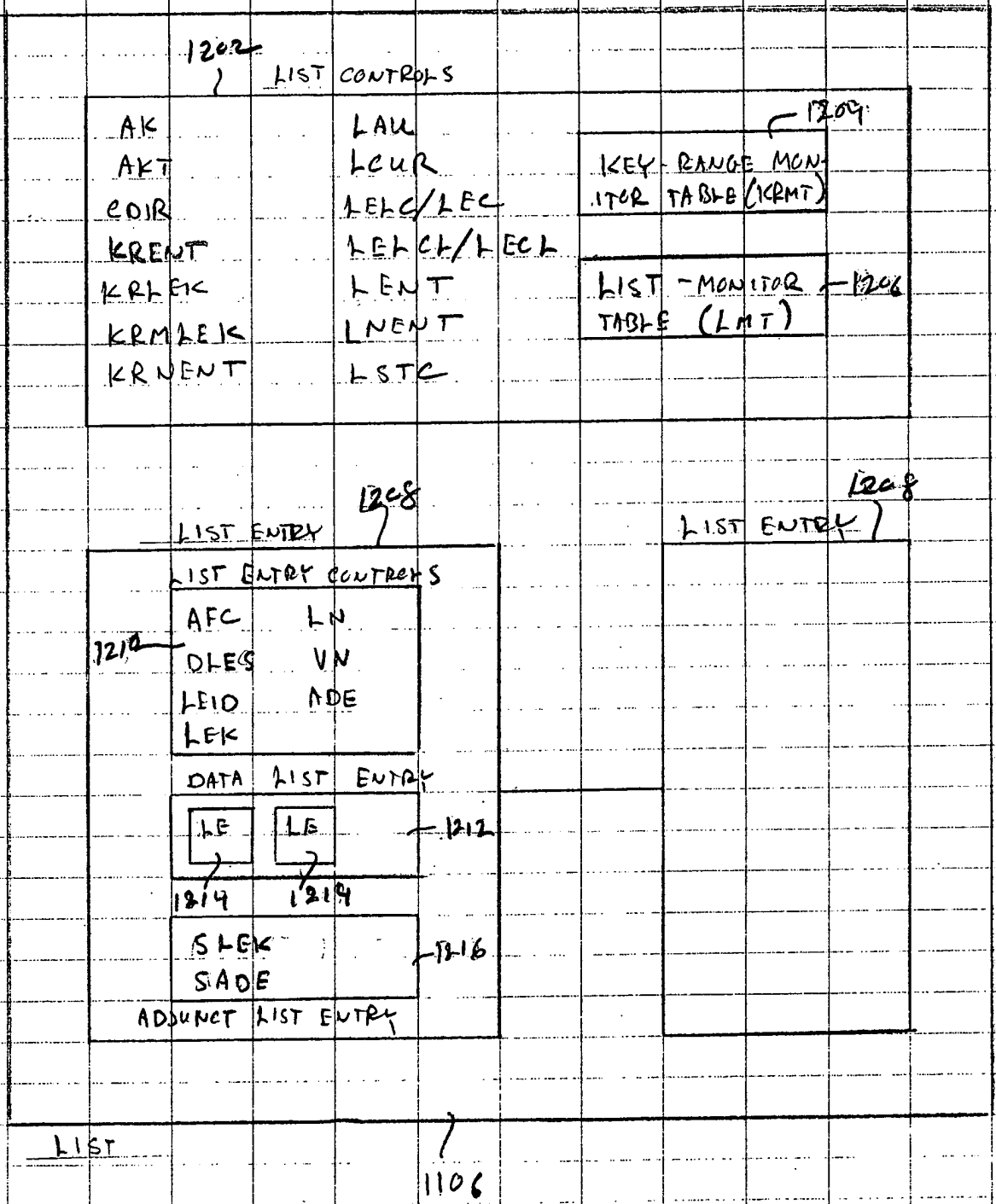


FIG. 12

P0092000042

11/18

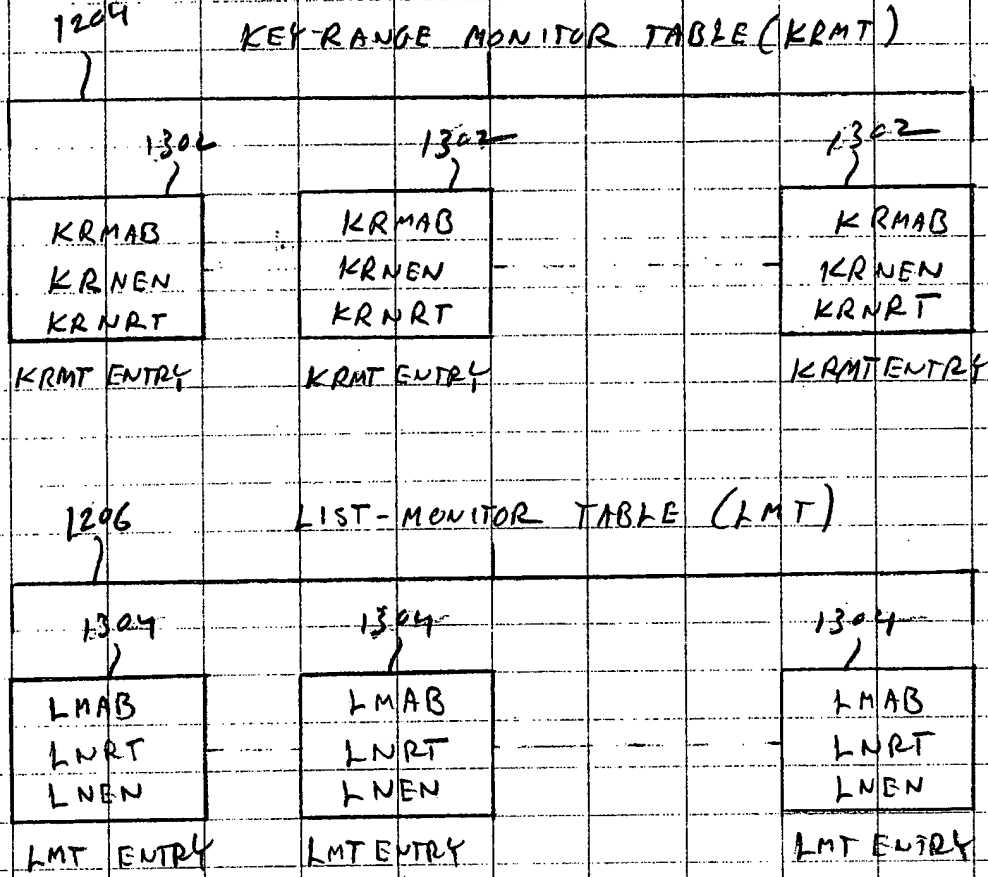


FIG. 13A

FIG. 13B

P0U92000004

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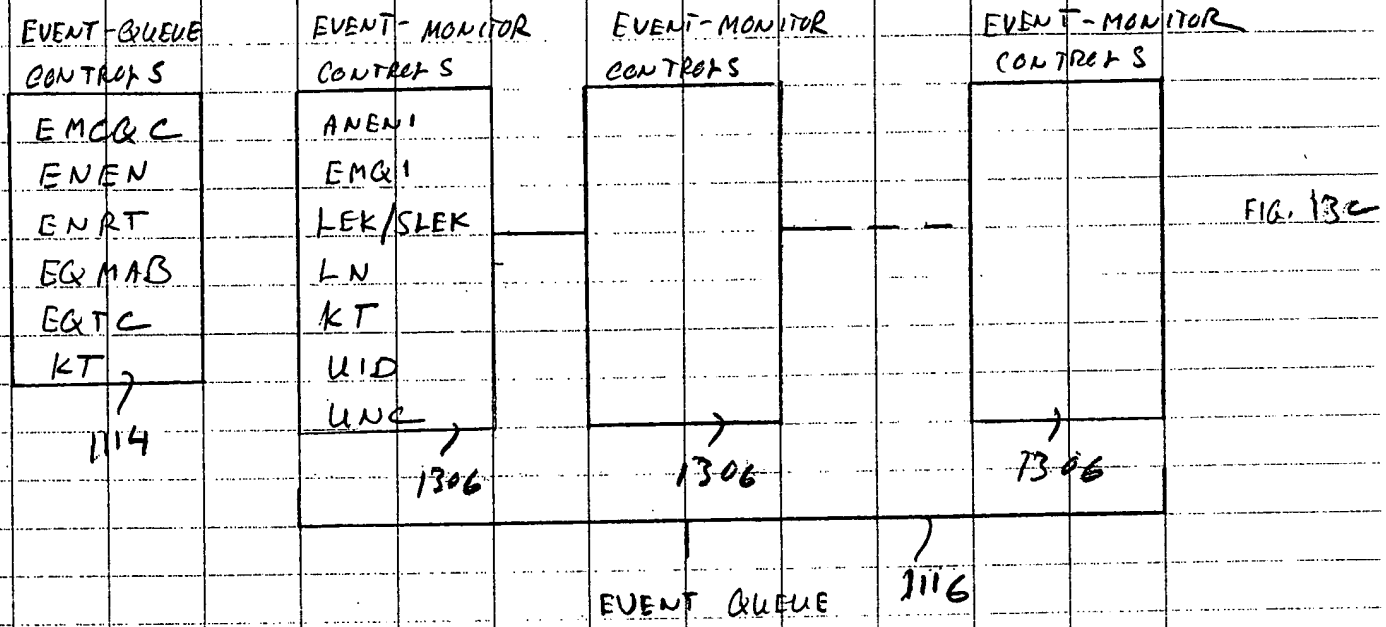
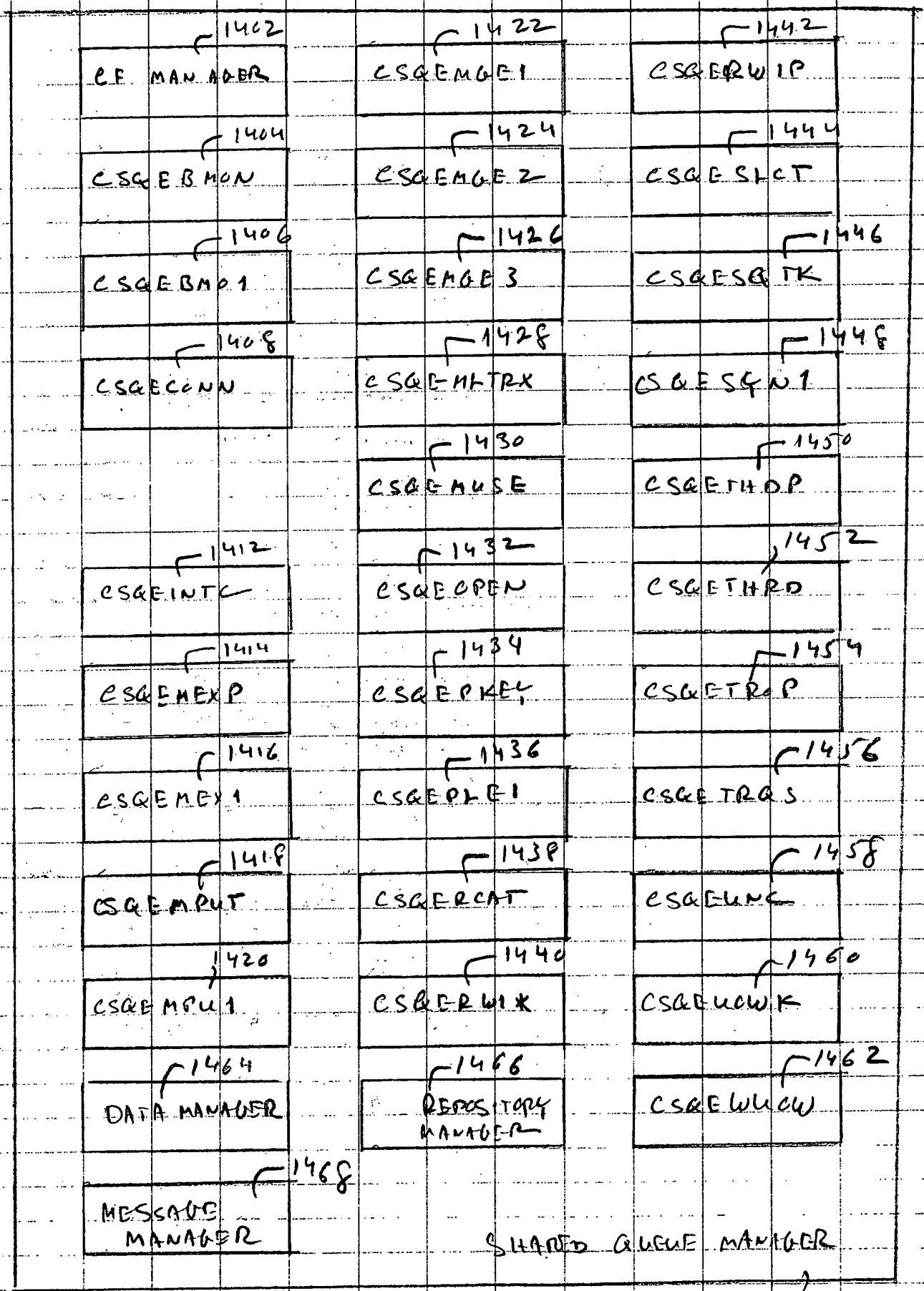


FIG. 13C

FIG. 14


1402
CF MANAGER
1404
CSQEBMON
1406
CSQEBMO1
1408
CSQECONN
1412
CSQEINTC
1414
CSQEMEXP
1416
CSQEMEX1
141P
CSQEMPUT
1420
CSQEMPU1
1464
DATA MANAGER
1468
MESSAGE MANAGER
1422
CSQEMGE1
1424
CSQEMGE2
1426
CSQEMGE3
142P
CSQEMLTRX
1430
CSQEMUSE
1432
CSQEOPEN
1434
CSQEPKEY
1436
CSQEPLE1
143P
CSQERCAT
1440
CSQERW1*
1466
REPOSITORY MANAGER
1442
CSQERWIP
1444
CSQESLCT
1446
CSQESQTK
144P
CSQESQN1
1450
CSQETHDP
1452
CSQETHRD
1454
CSQETRAP
1456
CSQETRQS
145P
CSQEUNC
1460
CSQEUOWK
1462
CSQEWUOW
SHARED QUEUE MANAGER
108

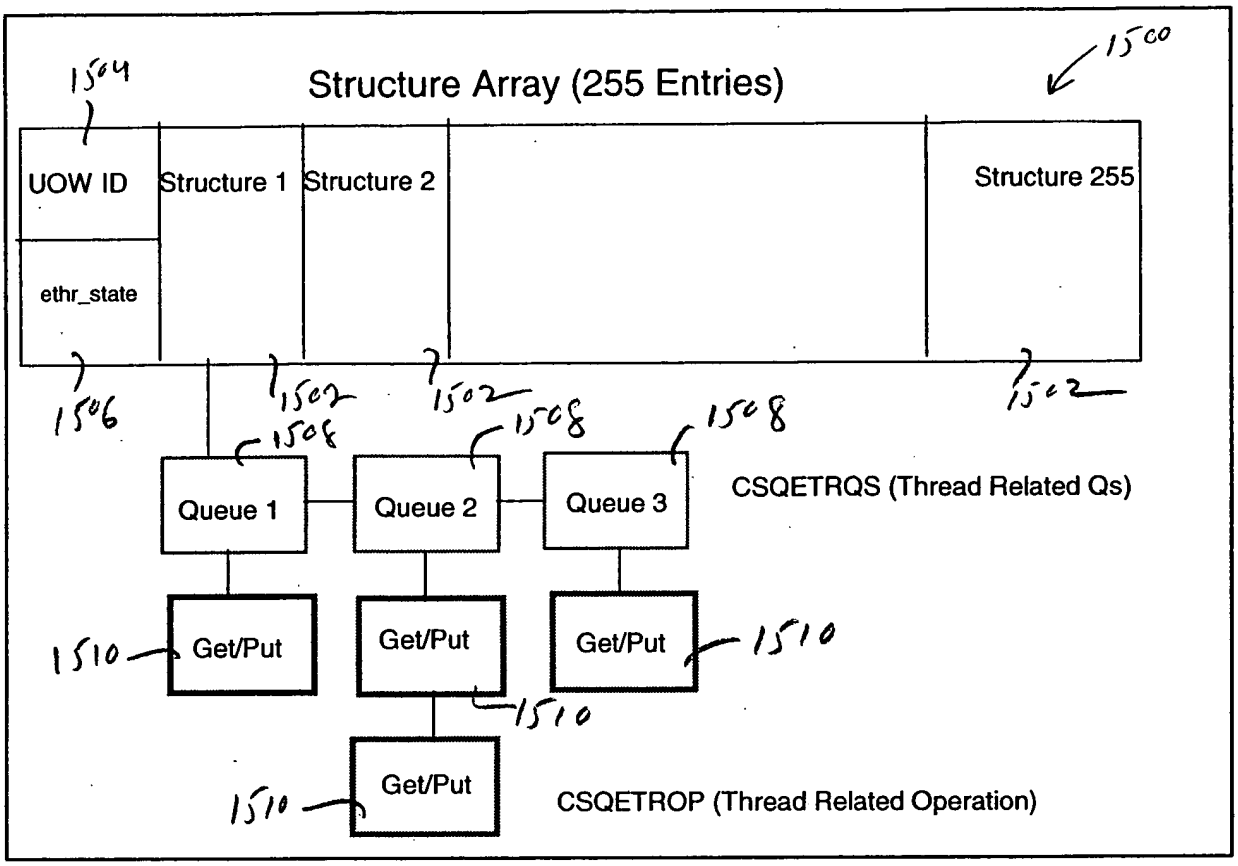

1500
1504
Structure Array (255 Entries)
UOW ID
Structure 1
Structure 2
Structure 255
ethr_state
1506
1502
1502
1502
1508
1508
1508
Queue 1
Queue 2
Queue 3
CSQETRQS (Thread Related Qs)
1510
Get/Put
Get/Put
Get/Put
1510
1510
1510
Get/Put
CSQETROP (Thread Related Operation)

Fig. 15

COMMITTED	UNCOMMITTED
M1 M2 M5	M3(Non-P) M4(Persistent)

Fig. 16A

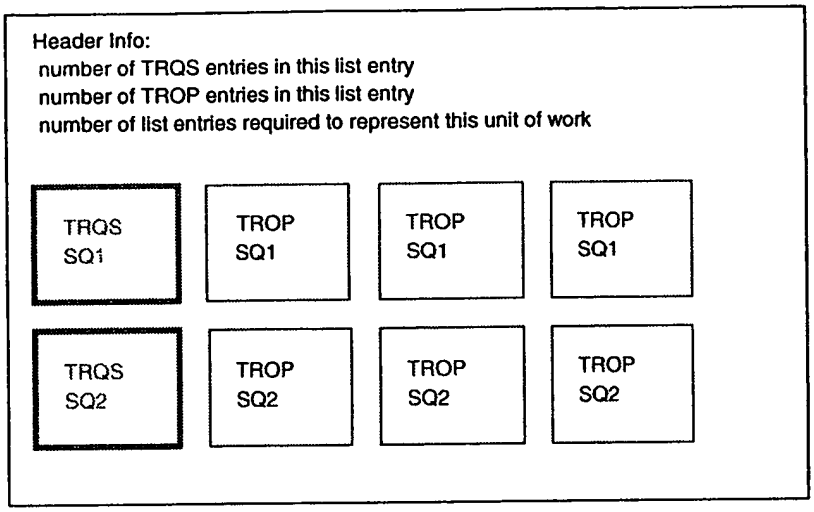
	COMMITTED	UNCOMMITTED	
	M1 M2 M5	M4(Persistent)	M3(Non-Persistent)
Priority	9 9 9	0	9

Fig. 16B

	COMMITTED	UNCOMMITTED	
	M1 M2 M5	M3(Non-persistent)	M4(Persistent)
Inverted Priority	9 9 9	7	8
Input Priority (non inverted)	0 0 0	2	1

Fig. 16C

1700



KEY OF ENTRY:

- 1 byte SQM numeric ID
- 7 bytes (high order) of STCK
  1 byte structure id. All TRQSes map to this structure
  3 bytes bytes binary zero
  4 byte sequence component

Fig. 17

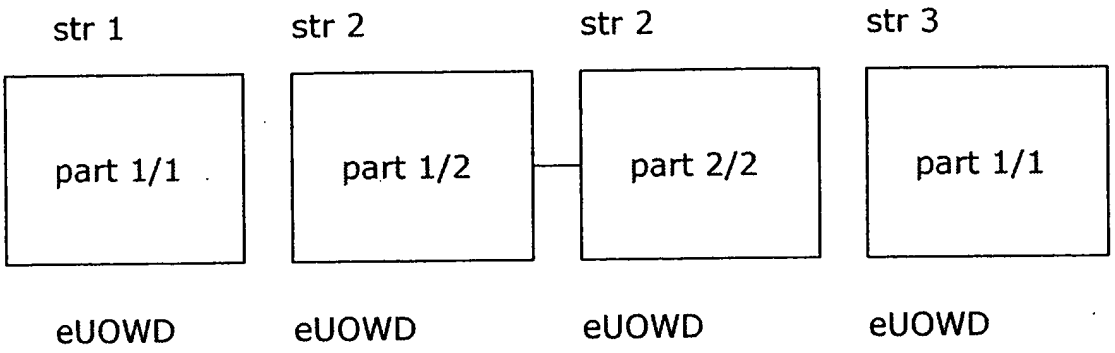

str 1
str 2
str 2
str 3
part 1/1
part 1/2
part 2/2
part 1/1
eUOWD
eUOWD
eUOWD
eUOWD

Fig. 18

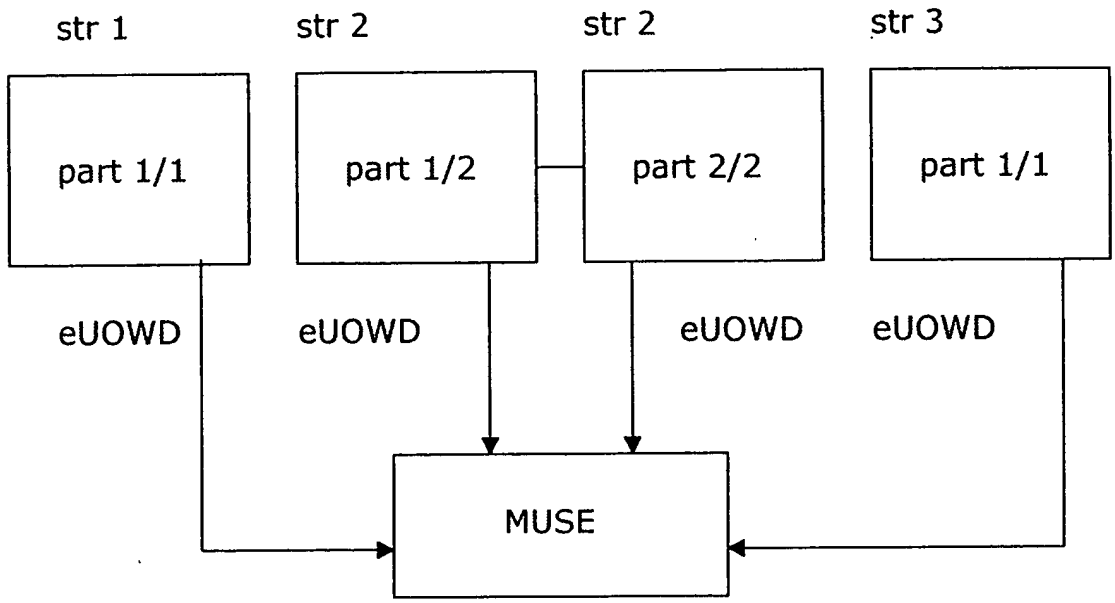

str 1
str 2
str 2
str 3
part 1/1
part 1/2
part 2/2
part 1/1
eUOWD
eUOWD
eUOWD
eUOWD
MUSE

Fig. 19